

PATENT ABSTRACTS OF JAPAN

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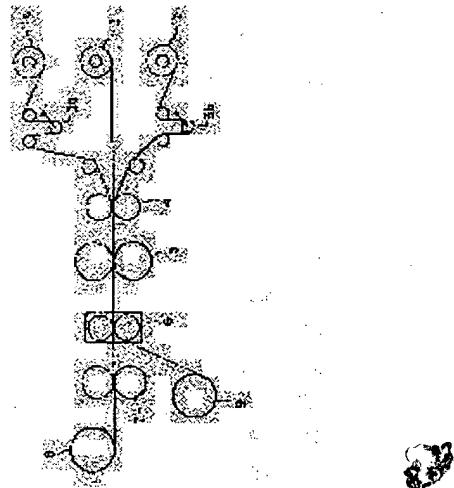
(21) Application number : 01-228431 (71) Applicant : SONY CORP
(22) Date of filing : 05.09.1989 (72) Inventor : KATAYAMA KIYOSHI
HOSHINA NOBORU

(54) PRODUCTION EQUIPMENT FOR LITHIUM NEGATIVE ELECTRODE

(57) Abstract:

PURPOSE: To efficiently manufacture a lithium negative electrode in which lithium foils and a copper foil are laminated and press-bonded by applying tension to the lithium foils before press-bonding, press-bonding the lithium foils and the copper foil at relatively low pressure, then press-bonding them at high pressure.

CONSTITUTION: In equipment with which uncoiled lithium foils 1a, 1b and a uncoiled copper foil 2 are laminated and press-bonded to produce a lithium negative electrode, tensioners 3a, 3b which apply tension to the lithium foils before press-bonding, first press-bonding rollers 4 which press-bond the lithium foils and the copper foil at low pressure, and second press-bonding rollers 5 which press-bond them at high pressure are installed. By tension applied, wrinkles of lithium foils are removed. By the use of two step rollers 4, 5, sticking of lithium foils to the rollers is prevented and the lithium foils are strongly bonded to the copper foil. The lithium negative electrode is efficiently manufactured.



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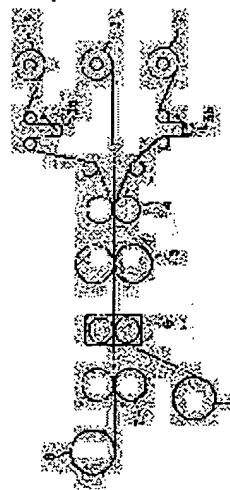
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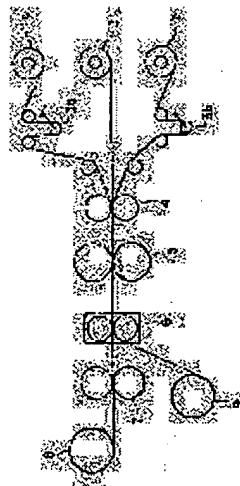
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(30) Priority:

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(84) Designated contracting states:

(71) Applicant: **SONY CORP**(72) Inventor: **KATAYAMA KIYOSHI
HOSHINA NOBORU**

(74) Representative:

**(54) PRODUCTION
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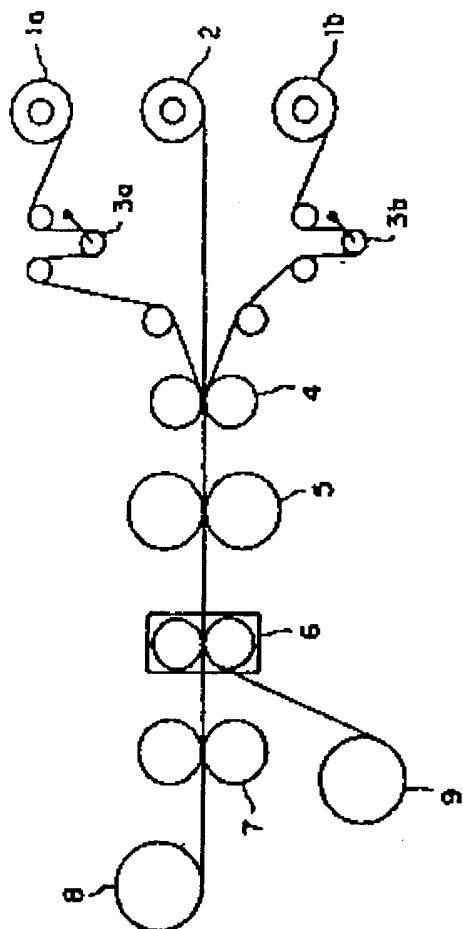
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(84) Designated contracting states:

(71) Applicant: SONY CORP

(72) Inventor: KATAYAMA KIYOSHI
HOSHINA NOBORU

(74) Representative:

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